

Applicants: Moses Rodriguez and Daren Ure
U.S. Serial No.: 09/885,227
Filed: June 20, 2001
Exhibit A

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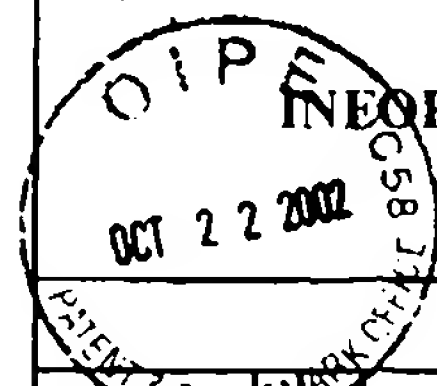
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Docket No.

60726-A

Serial No.

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
/	US 5 5 5 4 3 7 2	9/10/96	Hunter et al.			
/	US 5 5 8 3 0 3 1	12/10/96	Stern			
/	US 5 6 2 3 0 5 2	4/22/97	McLean et al.			
/	US 5 7 3 4 0 2 3	3/31/98	Bishwajit et al.			
OC	US 5 8 8 6 1 5 6	3/23/99	McLean et al.			
/	US 6 3 6 2 1 6 1	3/26/02	Konfino et al.			
/	US 09 4 8 7 7 9 3	1/20/00	EISENBACH - SCHWARTZ et al.			
/	US 09 6 2 0 2 1 6	7/20/02	EISENBACH - SCHWARTZ et al.			
/	US 09 7 6 5 3 0 1	1/22/01	EISENBACH - SCHWARTZ et al.			
/	US 09 7 6 5 6 4 4	1/22/01	EISENBACH - SCHWARTZ et al.			

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FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
					Yes No
WO 9 2 0 2 5 4 3	2/20/92	Europe			
WO 9 4 0 3 4 8 4	2/17/94	US			
WO 9 4 2 6 7 7 4	11/24/94	US			
OC WO 9 5 2 6 9 8 0	10/12/95	US			
WO 9 5 3 1 9 9 7	11/30/95	US			
WO 0 1 5 2 8 7 8	7/26/01	US			
WO 0 1 9 3 8 9 3	12/3/01	US			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

OC	Ju et al., "Idiotypic Analysis of Antibodies Against the Terpolymer L-glutamic Acid 60-L-alanine30-L-tyrosine10 (GAT). IV. Induction of CGAT Idiotypic Following Immunization with Various Synthetic Polymers Containing Glutamic Acid and Tyrosine", <u>Eur. J. Immunol.</u> , 1979, 9(7): 553-560 (Abstract)
OC	Schwartz et al., "Gene Complementation in the T Lymphocyte Proliferative Response to Poly (Glu57Lys38Tyr5): Evidence for Effects of Polymer Handling and Gene Dosage", <u>J. Immunol.</u> , 1979, 123(1): 272-278 (Abstract)
OC	Baxeavanis et al., "Genetic Control of T-Cell Proliferative Responses to Poly (Glu ⁴⁰ Ala ⁶⁰) and Poly (Glu ⁵⁷ Lys ³⁴ Tyr ¹⁵): Subregion-Specific Inhibition of the Responses with Monoclonal Ia Antibodies", <u>Immunogenetics</u> , 1980, 11: 617-628

EXAMINER

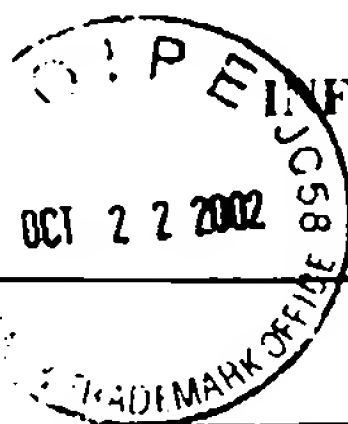
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09/885,227

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Applicants
Moses Rodriguez and Daren UreFiling Date
June 20, 2001Group Art Unit
1614 1646 oc

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Maurer et al., "Interpretations of Immune Responses of Mice to Poly(Glu60Lys40), its Modified Derivatives, and the Terpolymers Poly(Glu55Lys37Leu8) and Poly (Glu56Lys37Ser7)", Clin. Immunol. Immunopathol., 1980, 15(3): 344-356 (Abstract)

Herzenberg et al., "Lack of Immune Response Gene Control for Induction of Epitope-specific Suppression by TGAL Antigen", Nature, 1982, 295: 329-331 (Abstract)

Babu et al., "Reevaluation of Response Patterns of Nonresponder Mice to GlPhe Polymers", Immunogen., 1983, 18(1): 97-100 (Abstract)

Babu et al., "Ir Gene Control of T and B Cell Responses to Determinants in (Glu Lys Ala) Terpolymer", J. Immunogenet., 1984, 11(3-4): 251-254

Falo et al., "Analysis of Antigen Presentation by Metabolically Inactive Accessory Cells and Their Isolated Membranes", Proc. Natl. Acad. Sci. USA, 1985, 82(19): 6647-6651 (Abstract)

Trannoy et al., "Epitope-specific Regulation of the T Cell Repertoire: Carrier Recognition in Association with I-E or I-A Does Not Influence the Restriction of Hapten-Specific T Cells", Eur. J. Immunol., 1985, 15(12): 1215-1221 (Abstract)

oc Lai et al., "Complementation of Class II a Alleles in the Immune Response to (GluLysTyr) Polymers", Exp. Clin. Immunogenet., 1986, 3(1): 38-48 (Abstract)

Lai et al., "Monoclonal T Cell Responses to Two Epitopes on a Single Immunogen Controlled by Two Distinct Genes", J. Immunol., 1986, 136(10): 3799-3804 (Abstract)

De Kruffy et al., "Analysis of T Cell Responses to Poly-L (GluLys) at the Clonal Level. I. Presence of Responsive Clones in Nonresponder Mice", Eur. J. Immunol., 1987, 17 (8): 1115-1120 (Abstract)

Matsunaga et al., "Complementation of Class II A Alleles in the Immune Response to (Glu-Lys-Tyr) Polymers", Yokohama Med. Bull., 1988, 39(1-2): 9-19 (Abstract)

Zisman et al., "Direct Binding of a Synthetic Multichain Polypeptide to Class II Major Histocompatibility Complex Molecules on Antigen-presenting Cells and Stimulation of a Specific T-cell Line Require Processing of the Polypeptide", Proc. Natl. Acad. Sci. USA, 1991, 88(21): 9732-9742 (Abstract)

Deeb et al., "Comparision of Freund's and Ribi Adjuvants for Inducing Antibodies to the Synthetic Antigen (TG)-AL in Rabbits", J. Immunol. Methods, 1992, 152(1): 105-113 (Abstract)

Kropshofer et al., "Self-Peptides from Four HLA-DR Alleles Share Hydrophobic Anchor Residues Near the NH₂-Terminal Including Proline as a Stop Signal for Trimming", J. Immunol., 1993, 151: 4732-4742

EXAMINER

Chen/olm

DATE CONSIDERED

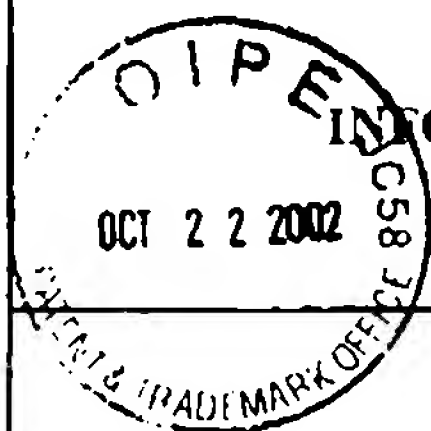
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Form PTO-1449

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Moses Rodriguez and Daren Ure

Filing Date

June 20, 2001

Group Art Unit

1614 1646

oc

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Zisman et al., "Dichotomy Between the T and the B Cell Epitopes of the Synthetic Polypeptide (T,G)-A-L", Eur. J. Immunol., 1994, 24(10): 2497-2505 (Abstract)

Asakura and Rodriguez, "A Unique Population of Circulating Autoantibodies Promotes Central Nervous System Remyelination", Multiple Sclerosis, 1998, 4: 217-221

Asakura et al., "Targeting of IgM: Antibodies to Oligodendrocytes Promotes CNS Remyelination", J. Neurosci., 1998, 18(19): 7700-7708

Li et al., "Glatiramer Acetate Blocks the Activation of THP-1 Cells by Interferon- γ ", Eur. J. Pharmacol., 1998, 342: 303-310

Pavelko et al., "Acceleration in the Rate of CNS Remyelination in Lysolecithin-Induced Demyelination", J. Neurosci., 1998, 18(7): 2498-2505

Rodriguez, Neurological Therapeutics, 1998, 15(3): 245-250

Cohen, "Fundamental Immunology", Systemic Autoimmunity, 4th Ed., 1999, 1083

Fridkis-Hareli et al., "Binding of Random Copolymers of Three Amino Acids to Class II MHC Molecules", Intl. Immunol., 1999, 11(5): 635-641

McGavern et al., "Do Antibodies Stimulate Myelin Repair in Multiple Sclerosis", The Neuroscientist, 1999, 5(1): 19-28

Bieber et al., "Antibody-Mediated Remyelination: Relevance to Multiple Sclerosis", Multiple Sclerosis, 2000, 6: S1-S5

Henry, Celia M., "Special Delivery", Chem. and Eng. News, Sept. 18, 2000, 49-54

Warrington et al., "Human Monoclonal Antibodies Reactive to Oligodendrocytes Promote Remyelination in a Model of Multiple Sclerosis", Neurobiology, 2000, 27(12): 6820-6825

Bieber et al., "Humoral Autoimmunity as a Mediator of CNS Repair", Trends in Neurosci., 2001, 24(11): S39-S44

Warrington et al., "Immunoglobulin-Mediated CNS Repair", J. Allergy Clin. Immunol., 2001, S121-S125

RECEIVED

OCT 22 2002

TECH CENTER 1600/2900

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DATE CONSIDERED

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(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
/	US 3 8 4 9 5 5 0	11/19/74	Teitelbaum et al.			
/	US 4 3 3 9 4 3 1	7/13/82	Gaffar			
OC	US 5 2 0 4 0 9 9	4/20/93	Barbier et al.			
/	US 5 5 9 1 6 2 9	1/7/97	Rodriguez et al.			
/	US 5 6 2 7 2 0 6	5/6/97	Hupe et al.			
/	US 5 6 6 8 1 1 7	9/16/97	Shapiro et al.			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
					Yes No
WO 8 8 1 0 1 2 0	12/29/88	US			
WO 9 5 3 1 9 9 0	11/30/95	US			
OC WO 9 5 3 3 4 7 5	12/14/95	Europe			
WO 9 8 3 0 2 2 7	7/16/98	US			
WO 0 0 0 5 2 5 0	2/3/00	US			
WO 0 0 1 8 7 9 4	4/6/00	US			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/	Teitelbaum, et al., "Suppression of Experimental Allergic Encephalomyelitis by a Synthetic Polypeptide", <u>Israel J. Med. Sci.</u> , 1971, 7, 630-631 (Abstract)
/	Teitelbaum, et al., "Suppression of Experimental Allergic Encephalomyelitis by a Synthetic Polypeptide", <u>Eur. J. Immunol.</u> , 1971, 1, 242-248
OC	Arnon, et al., "Suppression of Experimental Allergic Encephalomyelitis by a Synthetic Copolymer Immunological Cross Reactive with Basic Encephalitogen", <u>Israel J. Med. Sci.</u> , 1972, 8, 1759-1760
/	Teitelbaum, et al., "Protection Against Experimental Allergic Encephalomyelitis", <u>Nature</u> , 1972, 240, 564-566
/	Webb, et al., "Further Studies on the Suppression of Experimental Allergic Encephalomyelitis by Synthetic Copolymer", <u>Israel J. Med. Sci.</u> , 1972, 8, 656-657
/	Teitelbaum, et al., "Suppression of Experimental Allergic Encephalomyelitis with Basic Polymers", <u>Eur. J. Immunol.</u> , 1973, 3, 273-279

EXAMINER

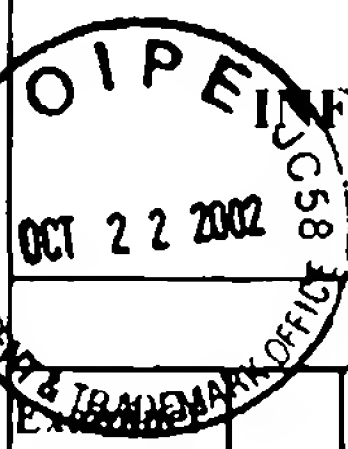
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U.S. PATENT DOCUMENTS

Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	US 5 7 1 9 2 9 6	2/17/98	Acton III, et al.			
	US 5 8 0 0 8 0 8	9/1/98	Konfino et al.			
	US 5 8 5 8 9 6 4	1/12/99	Aharoni et al.			
	US 5 9 8 1 5 8 9	11/9/99	Konfino et al.			
oc	US 5 9 5 8 9 7 2	9/28/99	Hupe et al.			
	US 6 0 4 8 8 9 8	4/11/00	Konfino et al.			
	US 6 0 5 4 4 3 0	4/25/00	Konfino et al.			
	US 6 2 1 4 7 9 1	4/10/01	Armon et al.			
	US 6 3 4 2 4 7 6	1/29/02	Konfino et al.			

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FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
					Yes No
WO 0 0 2 0 0 1 0	4/13/00	US			
WO 0 0 2 7 4 1 7	5/18/00	US			
WO 0 0 0 5 2 4 9	2/3/00	US			
WO 0 1 8 5 7 9 7	11/15/01	US			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

oc	Webb, et al., "In Vivo and in Vitro Immunological Cross-reactions between Basic Encephalitogen and Synthetic Basic Polypeptides Capable of Suppressing Experimental Allergic Encephalomyelitis", <u>Eur. J. Immunol.</u> , 1973, 3, 279-286
	Teitelbaum, et al., "Dose-response Studies on Experimental Allergic Encephalomyelitis Suppression by COP-1", <u>Israel J. Med. Sci.</u> , 1974, 10(9), 1172-1173
	Teitelbaum, et al., "Suppression of Experimental Allergic Encephalomyelitis in Rhesus Monkeys by a Synthetic Basic Copolymer", <u>Clin. Immunol. Immunopath.</u> , 1974, 3, 256-262
oc	Webb, et al., "Suppression of Experimental Allergic Encephalomyelitis in Rhesus Monkeys by a Synthetic Basic Copolymer", <u>Isr. J. Med. Sci.</u> , 1975, 11, 1388 (Abstract)
	Webb, et al., "Molecular Requirements Involved in Suppression of EAE by Synthetic Basic Copolymers of Amino Acids", <u>Immunochem.</u> , 1976, 13, 333-337
	Abramsky, et al., "Effect of a Synthetic Polypeptide (COP-1) on Patients with Multiple Sclerosis and with Acute Disseminated Encephalomyelitis", <u>J. Neurol. Sci.</u> , 1977, 31, 433-438

EXAMINER

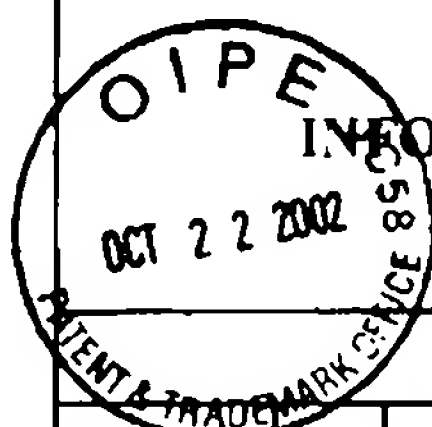
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June 20, 2001Group Art Unit
1614 / 646 oc

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if appropriate
/	US 20 01 00 55 56 8 A1	12/27/01	Gilbert et al.	/	/	/
oc	US 09 3 5 9 0 9 9	7/22/99	Strominger et al.	/	/	/
/	US 09 4 0 5 7 4 3	9/24/99	Gad et al.	/	/	/
/	US 09 7 6 8 8 7 2	1/23/01	Aharoni et al.	/	/	/
/	US 09 8 1 6 9 8 9	3/23/01	Gad et al.	/	/	/

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
					Yes No
/	WO 0 1 6 0 3 9 2	8/23/01	US	/	/
/	WO 0 1 9 3 8 2 8	12/13/01	US	/	/
oc	WO 0 1 9 7 8 4 6	12/27/01	US	/	/
/	EP 0 3 8 3 6 2 0	8/22/90	Europe	/	/
/	EP 0 3 5 9 7 8 3	11/29/95	Europe	/	/

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/	Teitelbaum, et al., "Suppression of Experimental Allergic Encephalomyelitis in Baboons by Cop 1", <u>Israel J. Med. Sci.</u> , 1977, 13, 1038 (Abstract)
/	Arnon, et al., "Suppression of EAE in Baboons by a Synthetic Polymer of Amino Acids", <u>Neurol.</u> , 1978, 28, 336 (Abstract)
/	Sela, et al., "Experimental Allergic Encephalomyelitis" in <u>Menarini Series on Immunopathology</u> , vol. 1, First Symposium of Organ Specific Autoimmunity, Cremona, Italy, June, 1977, (Miescher P.A. ed., Schwabe Co., Basel, 1978), 9-21
oc	Alvord, et al., "Myelin Basic Protein Treatment of Experimental Allergic Encephalomyelitis in Monkeys", <u>Ann. Neurol.</u> , 1979, 6, 469-473
/	Keith, et al., "The Effect of COP 1, a Synthetic Polypeptide, on Chronic Relapsing Experimental Allergic Encephalomyelitis in Guinea Pigs" <u>J. Neurol. Sci.</u> , 1979, 42, 267-274
/	Lando, et al., "Effect of Cyclophosphamide on Suppressor Cell Activity in Mice Unresponsive to EAE", <u>J. Immunol.</u> , 1979, 123, 2156-2160 (Abstract)
/	Lando, et al., "Experimental Allergic Encephalomyelitis in Mice - Suppression and Prevention with COP-1", <u>Israel J. Med. Sci.</u> , 1979, 15, 868-869 (Abstract)

EXAMINER

M. J. Smith

DATE CONSIDERED

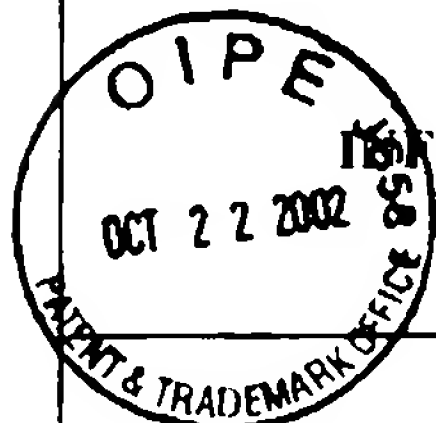
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Filing Date

June 20, 2001

Group Art Unit

1614 1646

OC

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Teitelbaum, et al., "Blocking of Sensitization to Encephalitogenic Basic Protein in Vitro by Synthetic Basic Copolymer (COP 1)" in Cell Biology and Immunology of Leukocyte Function (Academic Press, New York, 1979) 681-685

Teitelbaum, "Suppression of Experimental Allergic Encephalomyelitis with a Synthetic Copolymer - Relevance to Multiple Sclerosis", in Humoral Immunity in Neurological Diseases (Karcher D., Lowenthal A. & Strosberg A.D., eds., Plenum Publishing Corp., 1979) 609-613

Arnon, et al., "Desensitization of Experimental Allergic Encephalomyelitis with Synthetic Peptide Analogues" in The Suppression of Experimental Allergic Encephalomyelitis and Multiple Sclerosis (Academic Press, New York, 1980) 105-107

Arnon, "A Synthetic Copolymer of Amino Acids in a Clinical Trial for MS Therapy" in Progress in Multiple Sclerosis Research (Bauer, Ritter, eds., Springer Verlag New York, 1980) 416-418

Bornstein, et al., "Treatment of Multiple Sclerosis with a Synthetic Polypeptide: Preliminary Results", Ann. Neurol., 1980, 8, 117 (Abstract)

OC Bornstein, et al., "Treatment of Multiple Sclerosis with a Synthetic Polypeptide: Preliminary Results", Trans. Am. Neurol. Assoc., 1980, 105, 348-350

McDermott, et al., "Antigen-induced Suppression of Experimental Allergic Neuritis in the Guinea Pig", J. Neurol. Sci., 1980, 46, 137-143

Arnon, "Experimental Allergic Encephalomyelitis - Susceptibility and Suppression", Immunological Rev., 1981, 55, 5-30

Bornstein, et al., "Multiple Sclerosis: Trial of a Synthetic Polypeptide", Ann. Neurol., 1982, 11, 317-319

Brosnan, et al., "The Response of Normal Human Lymphocytes to Copolymer 1", J. Neuropath. Exp. Neurol., 1983, 42, 356 (Abstract)

Lisak, et al., "Effect of Treatment with Copolymer 1 (Cop-1) on the in Vivo and in Vitro Manifestations of Experimental Allergic Encephalomyelitis (EAE)", J. Neurol. Sci., 1983, 62, 281-293

Bornstein, et al., "Clinical Trials of Copolymer 1 in Multiple Sclerosis", Ann. N.Y. Acad. Sci. (USA), 1984, 366-372

Bornstein, et al., "Clinical Trials of a Synthetic Polypeptide (Copolymer 1) for the Treatment of Multiple Sclerosis" in Gonsett et al., Immunological and Clinical Aspects of Multiple Sclerosis (MTP Press, The Hague, 1984) 144-150

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Claus/Am

DATE CONSIDERED

04/09/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Applicants
Moses Rodriguez and Daren UreFiling Date
June 20, 2001Group Art Unit
1614 1646 oc

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- Brosnan, et al., "Copolymer 1: Effect on Normal Human Lymphocytes", Ann. N.Y. Acad. Sci. (USA), 1984, 436, 498-499
- Bornstein, et al., "Multiple Sclerosis: Clinical Trials of a Synthetic Polypeptide, Copolymer 1", Neurol., 1985, 35 (Suppl. 1), 103 (Abstract)
- Brosnan, et al., "Immunogenic Potentials of Copolymer 1 in Normal Human Lymphocytes", Neurol., 1985, 35, 1754-1759
- Burns, et al., "Human Cellular Immune Response in Vitro to Copolymer 1 and Myelin Basic Protein (MBP)", Neurol., 1985, 35 (Suppl. 1), 170 (Abstract)
- Teitelbaum, et al., "Monoclonal Antibodies to Myelin Basic Protein Cross React with Synthetic EAE-suppressive Copolymer, COP 1" in Proc. 7th Eur. Immunol. Mtg., Jerusalem, September 8-13, 1985 (Abstract)
- Thompson, "MCQ Tutor: Medical Immunology Multiple Choice Questions", Immunol. Today, 1985, 6(4), 141
- Burns, et al., "Human Cellular Immune Response to Copolymer 1 and Myelin Basic Protein", Neurol., 1986, 36, 92-94
- Bornstein, "Cop 1 May be Beneficial for Patients with Exacerbating-remitting Form of Multiple Sclerosis", Adv. Ther. (USA), 1987, 4, 206 (Abstract)
- Bornstein, et al., "A Pilot Trial of Cop 1 in Exacerbating-remitting Multiple Sclerosis", New Eng. J. Med., 1987, 317(7), 408-414
- Rolak, "Copolymer-I Therapy for Multiple Sclerosis", Clin. Neuropharmacology, 1987, 10(5), 389-396
- Winer, "COP 1 Therapy for Multiple Sclerosis", New Eng. J. Med., 1987, 317(7), 442-444
- Arnon, et al., "Suppression of Demyelinating Diseases by Synthetic Copolymers", in A Multidisciplinary Approach to Myelin Disease (G. Serlupi Crescenzi, ed., Plenum Publishing Corp., 1988) 243-250
- Baumhefner, et al., "Copolymer 1 as Therapy for Multiple Sclerosis: The Cons", Neurol., 1988, 38(Suppl. 2), 69-71
- Bornstein, et al., "Clinical Experience with COP-1 in Multiple Sclerosis", Neurol., 1988, 38(Suppl. 2), 66-69
- Teitelbaum, et al., "Specific Inhibition of the T-cell Response to Myelin Basic Protein by the Synthetic Copolymer Cop 1", Proc. Natl. Acad. Sci. USA, 1988, 85, 9724-9728

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DATE CONSIDERED

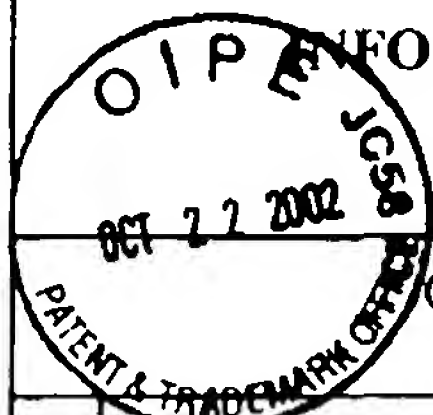
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Group Art Unit

1614 1646

TECH CENTER 1600/2600

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Ferrara, et al., "Graft-Versus-Host Disease", New Eng. J. Med., 1991, 324, 667-674

Meiner, "COP-1 Multicenter Clinical Trial in Exacerbating-remitting Multiple-Sclerosis: One Year Follow-up", J. Neurol., 1991(Suppl. 1) (Abstract)

Rothbard, et al., "Interactions Between Immunogenic Peptides and MHC Proteins", Ann. Rev. Immunol., 1991, 9, 527-565

Salveti, et al., "Myelin Basic Protein T Cell Epitopes in Patients with Multiple Sclerosis", Department of Neurological Sciences, University of Rome, La Sapienza 1991, 72 (Abstract)

Teitelbaum et al., "Cross-reactions and Specificities of Monoclonal Antibodies Against Myelin Basic Protein and Against the Synthetic Copolymer 1", Proc. Natl. Acad. Sci. (USA), 1991, 88, 9528-9532

Van den Bogaerde, et al., "Induction of Long-Term Survival of Hamster Heart Xenografts in Rats", Transplantation, 1991, 52, 15-20

Bornstein, et al., "Treatment of Multiple Sclerosis with Copolymer 1" in Treatment of Multiple Sclerosis: Trial Design, Results and Future Perspectives (Rudick R.A. & Goodkin D.E., eds., Springer Verlag, London, 1992) 173-198

OC Johnson, "Clinical Studies in Copolymer 1 Therapy for Exacerbating-remitting Multiple Sclerosis", in Congress for Advances in the Understanding and Treatment of Multiple Sclerosis, Boston (USA), Oct. 28-29, 1992

Milo, et al., "Inhibition of Myelin Basic Protein-specific Human T-cell Lines by COP-1", Israel J. Med. Sci., 1992, 28, 486 (Abstract)

Racke, et al., "Copolymer-1-induced Inhibition of Antigen-specific T Cell Activation: Interference with Antigen Presentation", J. Neuroimmunol., 1992, 37, 75-84

Teitelbaum, et al., "Synthetic Copolymer 1 Inhibits Human T-cell Lines Specific for Myelin Basic Protein", Proc. Natl. Acad. Sci. (USA), 1992, 89, 137-141

Weinshenker et al., "Natural History and Treatment of Multiple Sclerosis", Current Opinion in Neurol. and Neurosurgery, 1992, 5, 203-211

Aharoni et al., "T Suppressor Hybridomas and Interleukin-2-Dependent Lines Induced by Copolymer 1 or by Spinal Cord Homogenate Down-Regulate Experimental Allergic Encephalomyelitis", Eur. J. Immunol., 1993, 23, 17-25

EXAMINER

Klempfner

DATE CONSIDERED

04/09/03

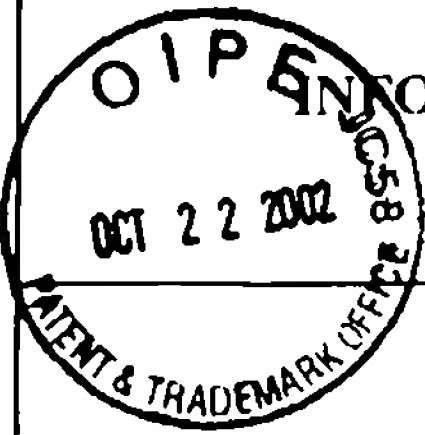
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Moses Rodriguez and Daren Ure

Filing Date

June 20, 2001

Group Art Unit

1614 / 646 OC

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Arnon, et al., "Suppression of Experimental Allergic Encephalomyelitis by Cop-1 - Relevance to Multiple Sclerosis", Israel J. Med. Sci., 1989, 25, 686-689

Bornstein, et al., "Pilot Trial of COP-1 in Chronic Progressive Multiple Sclerosis: Preliminary Report", from The International Multiple Sclerosis Conference: An Update on Multiple Sclerosis, Roma (Italy), September 15-17, 1988, in Elsevier Science Publisher, 1989, 225-232

Teitelbaum, et al., "Clinical Trial of Copolymer 1 in Multiple Sclerosis" J. Israel Med. Assoc., 1989, CXVI(9), 453-456

Bornstein, et al., "Clinical Trials of Cop 1 in Multiple Sclerosis" in Handbook of Multiple Sclerosis (S.D. Cook Marcel Rekker, ed., 1990) 469-480

Carter, et al., "Newer Drug Therapies for Multiple Sclerosis", Drug Therapy, 1990, 31-32, 37-39, 42-43

OC Grgacic, et al., "Cell-mediated Immune Response to Copolymer 1 in Multiple Sclerosis Measured by the Macrophage Procoagulant Activity Assay", Int. Immunol., 1990, 2(8), 713-718

Kay, et al., "The Mechanism of Action of FK 506", Transplantation Proceedings, 1990, 22(1, Suppl. 1), 96-99

Lee, et al., "Peptide and Protein Drug Delivery" in Advances in Parenteral Sciences (Vincent H.L. Lee, ed., Marcel Dekker, Inc., 1990) 691-695

Myers, et al., "The Peculiar Difficulties of Therapeutic Trials for Multiple Sclerosis", Neurologic Clinics, 1990, 8(1), 119-141

Sela, et al., "Suppressive Activity of COP-1 in EAE and its Relevance to Multiple Sclerosis", Bull. Inst. Pasteur, 1990, 88, 303-314

Starzl, Transplantation Proceedings, 1990, 22 (1, Suppl. 1), 5

Wender, "Copolymer 1 (COP-1) in the Treatment of Multiple Sclerosis (letter)" Neur. Neurochir. Pol., 1990, 24, 113

Bornstein, et al., "A Placebo-controlled, Double-blind, Randomized Two-center, Pilot Trial of Cop 1 in Chronic Progressive Multiple Sclerosis", Neurol., 1991, 41, 533-539

Burns, et al., "Failure of Copolymer 1 to Inhibit the Human T-cell Response to Myelin Basic Protein", Neurol., 1991, 41, 1317-1319

Clinical Trial Protocol No. 9001, Teva Pharmaceutical Industries, Ltd., first patient enrolled October 23, 1991

EXAMINER

Chen/Star

DATE CONSIDERED

04/09/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE CITATION

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Applicants

Moses Rodriguez and Daren Ure

Filing Date

June 20, 2001

Group Art Unit

1614 1646 0c

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Arnon, et al., "Immunomodulation of Experimental Allergic Encephalomyelitis", Israel J. Med. Sci., 1993, 29, 175-181

Arnon, et al., "On the Existence of Suppressor Cells", Int. Arch. Allergy Immunol., 1993, 100, 2-7

Clinical Trial Protocol No. 9002, Lemmon Co. and Teva Pharmaceutical Industries, Ltd., first patient enrolled June 17, 1993

Francis, "The Current Therapy of Multiple Sclerosis", J. Clin. Pharmacy and Therapeutics, 1993, 18, 77-84

Keleman, et al., "Graft-versus-Host Disease in Bone Marrow Transplantation: Experimental, Laboratory, and Clinical Contributions of the Last Few Years", Int. Arch. Allergy Immunol., 1993, 102, 309-320

Gurevich, "Study of the MHC-competition Between BP and Cop 1 Using Human Cytotoxic T-cell Clones", Israel J. Med. Sci., 1993 (Abstract)

Meiner, et al., "The Israeli COP-1 Multicenter Clinical Trial in Exacerbating-relapsing Multiple Sclerosis - Two-year Follow-up", in 9th Congress of the European Committee for Treatment and Research in Multiple Sclerosis, Florence (Italy), October-November, 1993, 48 (Abstract)

Milo, et al., "Copolymer-1 (COP-1) Regulates Class II MHC Expression and Cytokine Synthesis in the THP-1 Monocyte-Macrophage Cell Line" in The IBC Conference on Multiple Sclerosis, San Diego (USA), December 10, 1993 (Abstract)

Sela, "Polymeric Drugs as Immunomodulatory Vaccines Against Multiple Sclerosis", Makromol. Chem. Macromol. Symp., 1993, 70/71, 147-155

Arnon, et al., "Immunospecific Drug Design - Prospects for Treatment of Autoimmune Disease", Therapeutic Immunol., 1994, 1, 65-70

Bansil, et al., "Multiple Sclerosis: Pathogenesis and Treatment", Seminars in Neurol., June 1994, 14(2), 146-153

The COP-1 Multicenter Clinical and Research Group Study, "COP-1 Multicenter Trial in Relapsing Remitting Multiple Sclerosis: 3 Year Follow Up", Abstracts of Symposia and Free Communication, Barcelona (Spain), June 25-29, 1994, 241 (Suppl. 1), 6

Cotton, "Options for Multiple Sclerosis Therapy", J.A.M.A. Medical News & Perspectives, 1994, 272(18), 1393

Dorling, et al., "Prospects for Xenografting", Curr. Opinions Immunol., 1994, 6, 765-769

EXAMINER

M. J. Shaw

DATE CONSIDERED

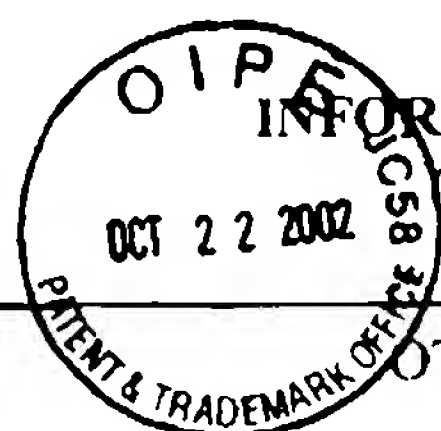
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Applicants
Moses Rodriguez and Daren UreFiling Date
June 20, 2001Group Art Unit
1614 1646 *oc*

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Fridkis-Hareli, et al., "Copolymer 1 Displaces MBP, PLP and MOG, but Can Not be Displaced by these Antigens from the MHC Class II Binding Site", Department of Chemical Immunology, The Weizmann Institute of Science, 1994

Fridkis-Hareli, et al., "Direct Binding of Myelin Basic Protein and Synthetic Copolymer 1 to Class II Major Histocompatibility Complex Molecules on Living Antigen-Presenting Cells - Specificity and Promiscuity", Proc. Natl. Acad. Sci. USA, 1994, 91, 4872-4876

Fridkis-Hareli, et al., "Specific and Promiscuous Binding of Synthetic Copolymer 1 to Class II Major Histocompatibility Complex Molecules on Living Antigen Presenting Cells", Israeli Biochem. Soc., 1994, 21-22 (Abstract)

Fridkis-Hareli, et al., "Synthetic Copolymer 1 Inhibits the Binding of MBP, PLP and MOG Peptides to Class II Major Histocompatibility Complex Molecules on Antigen Presenting Cells" in Neurochem Mtg., August 14-19, 1994

oc Fridkis-Hareli, et al., "Synthetic Copolymer 1 Inhibits the Binding of MBP, PLP and MOG Peptides to Class II Major Histocompatibility Complex Molecules on Antigen- Presenting Cells", J. Neurochem., 1994, 53 (Suppl. I), 561

Fridkis-Hareli, et al., "Synthetic Copolymer 1 and Myelin Basic Protein Do Not Undergo Processing Prior to the Binding to Class II Major Histocompatibility Complex Molecules on Antigen Presenting Cells", Israeli Immunol. Soc., May 3-4, 1994 (Abstract)

Fridkis-Hareli, et al., "Synthetic Copolymer 1 and Myelin Basic Protein do not Require Processing Prior to Binding to Class II Major Histocompatibility Complex Molecules on Living Antigen Presenting Cells", Department of Chemical Immunology, The Weizmann Institute of Science, Rehovot, Israel, 1994

Fridkis-Hareli, et al., "Synthetic Copolymer 1 and Myelin Basic Protein Do Not Require Processing Prior to Binding to Class II Major Histocompatibility Complex Molecules on Living Antigen-Presenting Cells", Cell. Immunol., 1995, 163, 229-236

Jacobs et al., "Advances in Specific Therapy for Multiple Sclerosis", Neurol., 1994, 7, 250-254

Johnson, "Experimental Therapy of Relapsing-Remitting Multiple Sclerosis with Copolymer-1", Ann. Neurol., 1994, 36 (Suppl.), 115-117

Kott, et al., "COP-1 Increases Suppressor Cells Number in Multiple Sclerosis", Israel Neurological Assoc., December 19-20, 1994, Herzliya (Israel), 17

EXAMINER

Chang

DATE CONSIDERED

04/05/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Moses Rodriguez and Daren UreFiling Date
June 20, 2001Group Art Unit
1614 1646 oc

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Mengle-Gaw, "The Major Histocompatibility Complex (MHC)", in Encycl. Molecular Bio. (Oxford Blackwell Science Ltd, 1994) 602-606Milo, et al., "Additive Effects of COP-1 and IFN-Beta on Immune Responses to Myelin Basic Protein", Neurol., 1994, 44(Suppl. 2), A212Milo, et al., "Additive Effect of Copolymer-1 and Interferon- β on the Immune Response to Myelin Basic Protein", Assaf Harofeh Medical Center, Sackler School of Medicine, Tel-Aviv University of Maryland School of Medicine, 1994, 22Milo, et al., "Copolymer-1 and Interferon- β Additively Suppress the Immune Response to Myelin Basic Protein by Inhibiting Antigen Presentation", J. Neuroimmunol., 1994, 54, 183 (Abstract)Nightingale, et al., "Access to Investigational Drugs for Treatment Purposes", Am. Family Physician, 1994, 50(4), 845-847Schlegel, et al., "Prevention of Graft-Versus-Host Disease by Peptides Binding to Class II Major Histocompatibility Complex Molecules", Blood, 1994, 84(8), 2802-2810Stark, "Expanded Clinical Trials of Treatments for Multiple Sclerosis (MS): Copolymer 1 (COP-1) Treatment Investigational New Drug (IND) Program", Ann. Neurol., 1994, 36, 114-115Teitelbaum, et al., "Immunological Parameters in a Multicenter Clinical Trial of COP1 in Multiple Sclerosis (MS): A 2-year Follow-up", Neurol., 1994, 44(Suppl. 2), A358Tisch et al., "Antigen-specific immunotherapy: Is it a Real Possibility to Combat T-Cell-Mediated autoimmunity?" Proc. Natl. Acad. Sci. U.S.A., 1994, 91, 437-438Milo, et al., "Additive Effects of Copolymer-1 and Interferon β -1b on the Immune Response to Myelin Basic Protein", J. Neuroimmunol., 1995, 61, 185-193O'Connor, et al., "Powders" in The Science and Practice of Pharmacy, Remington, 1995, 2, 1598-1614Porter, "Coating of Pharmaceutical Dosage Forms," in The Science and Practice of Pharmacy, Remington, 1995, 2, 1650-1659Reilly, Jr., W.J., "Pharmaceutical Necessities" in The Science and Practice of Pharmacy, Remington, 1995, 2, 1380-1416Schlegel, et al., "Inhibition of Allorecognition and Prevention of Graft-vs-host Disease (GVHD) by GLAT, a Synthetic Polymer with Promiscuous Binding to Murine and Human MHC Class II Molecules", in Am. Soc. Hematology, 37th Annual Meeting, Seattle, WA (USA), December 1-5, 1995, 224a (Abstract)

EXAMINER

Munyon

DATE CONSIDERED

04/05/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Moses Rodriguez and Daren Ure

Filing Date

June 20, 2001

Group Art Unit

1614 1646

OC

OCT 22 2002

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Shi-Nun, et al., "The Autoimmune Reactivity to Myelin Oligodendrocyte Glycoprotein (MOG) in Multiple Sclerosis is Potentially Pathogenic: Effect of Copolymer 1 on MOG-induced Disease", J. Neurol., 1996, 243(Suppl. 1), S14-S22

Johnson, Management of Relapsing/Remitting Multiple Sclerosis with Copolymer 1 (Copaxone)", Chemical Abstracts, 1996, 125, 291993b

Sykes, "Immunobiology of Transplantation", Faseb J., 1996, 10, 721-730

Teitelbaum, et al., "Copolymer 1 Inhibits Chronic Relapsing Experimental Allergic Encephalomyelitis Induced by Proteolipid Protein (PLP) Peptides in Mice and Interferes with PLP-specific T Cell Responses", J. Neuroimmunol., 1996, 64, 209-217

Aharoni, et al., "Studies on the Mechanism and Specificity of the Effect of the Synthetic Random Copolymer GLAT on Graft-versus-Host Disease", Immunol. Letters, 1997, 58, 79-87

Puri et al., "Modulation of the Immune Response in Multiple Sclerosis", J. Immunol., 1997, 158, 2471-2476

OC Tarcic et al., "Copolymer 1 (Copaxone) from an Idea to a Drug for Treatment of Multiple Sclerosis" Database HCAPLUS on STN, Israel: AN 1997:333270. Kim, Handasa Kim, 1997, 281(14), 16-18 (Abstract)

Teitelbaum, et al., "Copolymer 1 from the Laboratory to FDA", Israel J. Med. Sci., 1997, 33, 280-284

Fridkis-Hareli, et al., "Promiscuous Binding of Synthetic Copolymer 1 to Purified HLA-DR Molecules", J. Immunol., 1998, 160, 4386-4397

Fridkis-Hareli, et al., "Synthetic Amino Acid Copolymers that Bind to HLA-DR Proteins and Inhibit Type II Collagen-reactive T Cell Clones", Proc. Natl. Acad. Sci., October 1998, 95, 12528-12531

Cazzato, et al., "Treatment of Multiple Sclerosis. The Present and the Future. Study Group on Diagnosis and Therapy of Multiple Sclerosis", Database Medline on STN, Instituto do Clinica Neurologica, Universita, Trieste, Italy: Medline AN: 2000060325, Recent Progressi in Medicina. October 1999, 90(10), 538-544 (Abstract)

Kepsutlu et al., "Evaluation of Chitosan Used as an Excipient in Tablet Formulations", Database HCAPLUS on STN, Department of Pharmaceutical Technology, Gulhane Military Medical Academy, Ankara, 06018, Turkey, HCAPLUS AN: 1999: 590411, Acta. Pol. Pharm. 1999, 56(3), 227-235 (Abstract)

Prat, et al., "Lymphocyte Migration and Multiple Sclerosis: Relation with Disease Course and Therapy", Ann. Neurol., 1999, 46: 253-253

EXAMINER

C. L. Ure

DATE CONSIDERED

04/05/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Applicants

Moses Rodriguez and Daren Ure

Filing Date

June 20, 2001

Group Art Unit

1614 / 642

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

OC

Fridkis-Hareli et al., "Synthetic Peptides that Inhibit Binding of the Collagen Type II 261-273 Epitope to Rheumatoid Arthritis-Associated HLA-DR1 and DR4 Molecules and Collagen-Specific T-cell Responses", Database HCAPLUS on STN, Department of Clinical Immunology, Aarhus University Hospital, Aarhus, Denmark, HCAPLUS AN: 2000:455053, Human Immunology, 2000, 61(7), 640-650 (Abstract)

OC

Durelli, "Immunotherapeutics of Multiple Sclerosis", Istituto di Clinica delle Malattie del Sistema Nervoso Universita di Torino, 467-475

1999

OC

10/20/03

RECEIVED

OCT 24 2002

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